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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/517,134	12/06/2004	Junbiao Zhang	PU020267	6840
7590	07/17/2008		EXAMINER	
Joseph S Tripoli Thomson Licensing Inc PO Box 5312 Princeton, NJ 08543-5312			OKORONKWO, CHINWENDU C	
			ART UNIT	PAPER NUMBER
			2136	
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			07/17/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/517,134	Applicant(s) ZHANG, JUNBIAO
	Examiner CHINWENDU C. OKORONKWO	Art Unit 2136

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
 - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
 - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED. (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(o).

Status

- 1) Responsive to communication(s) filed on 08 April 2008.
 2a) This action is FINAL. 2b) This action is non-final.
 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-18 is/are pending in the application.
 4a) Of the above claim(s) 1-13 is/are withdrawn from consideration.
 5) Claim(s) _____ is/are allowed.
 6) Claim(s) 14-18 is/are rejected.
 7) Claim(s) _____ is/are objected to.
 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
 10) The drawing(s) filed on 06 December 2004 is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) Notice of References Cited (PTO-892)
 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
 3) Information Disclosure Statement(s) (PTO/06/08)
 Paper No(s)/Mail Date 20041206
- 4) Interview Summary (PTO-413)
 Paper No(s)/Mail Date. _____
 5) Notice of Informal Patent Application
 6) Other: _____

DETAILED ACTION

Priority

1. Applicant's claim for the benefit of a prior-filed application under 35 U.S.C. 119(a)-(e) or under 35 U.S.C. 120, 121, or 365(c) is acknowledged. Priority is claimed from PCT Application PCT/US03/16546, which in turn claims priority from Provisional Application 60/386603.

Information Disclosure Statement

2. For the record, the Examiner acknowledges the IDS submitted on 12/06/2004. It has been received and considered.

Oath/Declaration

3. For the record, the Examiner acknowledges that the Oath/Declaration submitted on 12/06/2004 has been received and considered.

Drawings

4. For the record, the Examiner acknowledges that the Drawings submitted on 12/06/2004 have been received and considered.
5. Pursuant to USC 131, claims 14-18 are presented for examination.
6. Claims 14-18 are pending.

Claim Rejections - 35 USC § 101

7. 35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

Claims 16-18 are rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter. Claims recite a "mobile device", however the claims do not provide support for such a subject matter in that no physical structure is described. Correction is required.

Claim Rejections - 35 USC § 102

8. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 14-18 are rejected under 35 U.S.C. 102(e) as being disclosed by Marcelli (U.S. Patent No. 7,231,203 B2).

Regarding claim 14, Marcelli, discloses a broker based system for authenticating users in networks having interworking relationships, comprising:

- a wireless LAN (WLAN) having an interworking function (1:19-20, 36-39 – "a communications network" and W-LAN (Wireless Local Area Networks) technology is also born and is being developed, allowing Internet of Intranet users to connect to the network without the need of a cable");
- a second network (1:51-56 – "a separate mobile communications system"); and
- a broker capable of communicating with the WLAN and the second network, the broker having means for transmitting a broker public key to the WLAN, and means for transmitting a broker to second network certificate, which is signed with a broker private key and includes a second network public key, to the second network, the second network including means for transmitting, to a user device, a second network to user certificate signed with a second network private key and includes the broker to second network certificate and the user public key, the WLAN including means for authenticating the broker to second network certificate and deriving the second network public key, means for authenticating the second network to user certificate and deriving the user public key, and means for generating a session key and encrypting the session key with the user public key (2:6-11 and 29-33 – "authentication procedure used in a mible communication network, such as a GSM network ... when a

mobile terminal requires to join the mobile network" and "use of the ... mentioned authentication procedure for connection to a communications network different from a mobile network, such as the Internet or a corporate Intranet").

Regarding claim 15, Marcelli, discloses the method of claim 14, wherein the WLAN further includes means for transmitting a WLAN to user certificate signed with a WLAN private key and includes the encrypted session key (6:2-8 – "[i]n order to increase privacy, the identifier and the random number Ra may be sent in encrypted form. For the purpose of encryption, the user's software client may be comprised of a public key, e.g. RSA-based key provided in advance by the service provider, which in turn retains the related private key has a length of at least 1024 bits.").

Regarding claim 16, Marcelli, discloses a mobile device comprising: means for receiving from a second network a second network to user certificate that includes

- a broker to second network certificate and a key (5:51-59 – "software client generates a number, preferably a random number Ra, that, as it will be clarified in the following, plays a role in the steps of the authentication procedure required in order to allow the user to authenticate the access point 2 and the network 7 as "trusted." Herein and in the following, the term

- "number" may be interpreted as any binary, octal, decimal, or hexadecimal number, or even as a generic string of alphanumeric characters");
- means for transmitting said second network to user certificate to a first network (5:61-64 – "the software client sends to the NAS 3 the identifier recovered from the SIM and at least a portion of the random number Ra.");
 - means for receiving a session key generated by said first network (6:3-7 – "the user's software client may be comprised of a public key, e.g. a RSA-based key provided in advance by the service provider, which in turn retains the related private key."); and
- means for communicating with said first network using said session key (6:2-3 – "to increase privacy, the identifier and the random number Ra may be sent in encrypted form").

Regarding claim 17, Marcelli, discloses the mobile device according to claim 16, wherein said first network is a wireless local area network having an interworking function (1:19-20, 36-39 - "a communications network" and W-LAN (Wireless Local Area Networks) technology is also born and is being developed, allowing Internet of Intranet users to connect to the network without the need of a cable").

Regarding claim 18, Marcelli, discloses the mobile device according to claim 16, wherein said second network is a cellular network (2:6-11 and 29-33 – "authentication procedure used in a mible communication network, such as a GSM

network ... when a mobile terminal requires to join the mobile network" and "use of the ... mentioned authentication procedure for connection to a communications network different from a mobile network, such as the Internet or a corporate Intranet").).

Conclusion

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to CHINWENDU C. OKORONKWO whose telephone number is (571)272-2662. The examiner can normally be reached on MWF 2:30 - 6:00, TR 9:00-3:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nasser Moazzami can be reached on (571) 272 4195. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/C. C. O./
Examiner, Art Unit 2136

/Nasser G Moazzami/
Supervisory Patent Examiner, Art Unit 2136